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Outreach

3th April 2018

OVERVIEW

The general overview of our Outreach projects are to help inspire and increase STEM awareness in our now small community. In the next few years we plan to use FIRST goals and principles to start other teams in our area as well as mentor other teams around us. Through outreach we also plan to host events at schools and other events and places. All these as well as other activities will help us increase our communities STEM involvance and help more kids continue through their schooling career with a better knowledge of the world around them.

GOALS

1. Increasing student and community involvement in programs
2. Increasing community knowledge of STEM and robotics
3. Increased program enrollment
4. Increased budget

SPECIFICATIONS

By reaching out into our community, we hope to not only teach and inspire, but to also increase opportunities for our community. In reaching out, we spread the word of the opportunities available by becoming involved in our programs and FIRST as a whole. Community knowledge and respect of our programs will also lead to better fundraiser outcomes, a higher likelihood of receiving sponsorships, and not only opens grant opportunities but increases the chances of receiving them.

MILESTONES

More Annual Demos

When speaking with other teams, a common theme is that their members joined because of demos their team had done when they were younger. By doing more demonstrations, we hope to not only spread inspiration and excitement for STEM and FIRST programs, but show that they, too, can do incredible things. Hopefully, they will join our program or another program and gain access to the opportunities we, and FIRST, offer.

More FLL and FLL Jr. Teams

One of our goals is to work to start more FLL and FLL Jr. teams in our community. We plan to achieve this by starting teams at schools and recruiting teachers and some of our own students to help mentor and support the team. This may also include helping the schools start fundraisers to pay for the team and competition fees.

Coding Days and Hackathon Programs

We hope to use these programs to help introduce STEM to youth who might not have committed to something as time-consuming as FLL or FLL Jr., as well as provide a place for older members of our community to explore engineering and technology in a setting that allows them to connect with each other. These programs will also serve as a trial run for our students to learn and teach new teammates to mentor for other teams and our summer camps.

Summer Camp Program

One of our ideas that we have been working to do is to start a summer camp program at our school that will include different classes sorted by age group. An introduction, intermediate, and advanced robotics class. Each day for a week we will help students learn coding, building, and lead them to eventually build their own robot to complete a small challenge, based on the FIRST build season system and Robotics 1 class. WIth the help of volunteers and local funding, this idea is expected to take effect in the next year.

Girls STEM Summer Camp Program

Like the Summer Camp program, the Girls STEM Summer Camp program will include robotics classes taking place over the summer for a week in our shop. Unlike the summer camp program however, this camp will be directly for girls interested in STEM, intended to help inspire more diversity in the community. This program will cover the same curriculum as the camps, but more

advanced and focused, it will also be mentored and taught by females in the STEM field. Our goal in making this program is to get many girls, and possibly girl scout troops involved and later evolving it into a larger program.